

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 120 | ((yun with gi with kim).in. (yong with shik with park).in. (sung with joon with park).in.) and samsung.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 11:47 |
| L6 | 0 | (substrate ink chamber heat first second trench uniform (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| L7 | 0 | (substrate ink chamber heat first second trench uniform (micron)).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| L8 | 0 | (substrate ink chamber heat first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| L9 | 2 | (substrate ink chamber first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |
| L10 | 10 | (substrate ink first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |
| L11 | 8 | 10 not 9 | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |

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| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|--|------------------|---------|------------------|
| L1 | 3742 | 347/54,56,61,65,67.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 13:28 |
| L2 | 2200 | ((substrate) with (trench depth height)) same (micron and area) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 13:29 |
| L3 | 56 | 1 and 2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 13:29 |
| S1 | 2 | "20040155943" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/18 13:44 |
| S2 | 2 | "6158843".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:20 |
| S3 | 3090 | 347/54,56,61,65,67.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:21 |
| S4 | 14254 | (ink liquid fluid) with ((supply passage path) with (trench depth height)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:23 |
| S5 | 350 | S3 and S4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:23 |
| S6 | 2810 | (ink liquid fluid) with ((supply passage path) near3 (trench depth height)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:25 |
| S7 | 964 | 347/65.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:23 |
| S8 | 223 | S4 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:23 |

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| S9 | 15 | ((ink liquid fluid) with ((supply passage path) near3 (trench depth height))) with (micron "um") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:27 |
| S10 | 34 | ((ink liquid fluid) with ((supply passage path) near3 (trench depth height))) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:29 |
| S11 | 11 | S3 and S10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:28 |
| S12 | 198 | ((supply passage path) with (trench depth height)) same (micron and area) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:35 |
| S13 | 64097 | "347"/\$.ccds. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:29 |
| S14 | 14 | S12 and S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:33 |
| S15 | 1778 | ((substrate) with (trench depth height)) same (micron and area) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:35 |
| S16 | 12 | S3 and S15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/28 13:35 |
| S17 | 9 | ("3747120" "4275290" "4394670" "4438191" "4459600" "4463359" "4490728" "4535343" "4571599").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 13:39 |
| S18 | 7 | ("4723129" "5278585" "5821962" "5841448" "5943074" "6109735" "6168264").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 13:41 |
| S19 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 13:41 |
| S20 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 14:31 |
| S21 | 1 | "4882595".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 14:31 |
| S22 | 15 | ("4601777" "4612554" "4638337" "4789425" "4829324" "4851371" "4863560" "4875968" "4882595" "4899178" "4899181" "4961821" "5160577" "5308442" "Re32572").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 14:32 |
| S23 | 54 | ("5387314").URPN. | USPAT | OR | ON | 2005/11/28 14:40 |
| S24 | 13 | ("4894664" "5387314" "5679593" "5682188" "5706041" "5773326" "5851412" "5852459" "5876497" "5971527" "6000787" "6033581" "6103099").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/11/28 14:41 |

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|-----|-------|---|---|----|----|------------------|
| S25 | 79 | ("4882595").URPN. | USPAT | OR | ON | 2006/05/11 10:04 |
| S26 | 60 | S25 and (height depth deep) | USPAT | OR | ON | 2006/05/11 11:06 |
| S27 | 39 | S25 and (substrate with (height depth deep)) | USPAT | OR | ON | 2006/05/11 11:09 |
| S28 | 37 | (silicon with substrate with manifold) same (height depth thickness) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:11 |
| S29 | 1019 | 347/65.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:11 |
| S30 | 5 | S28 and S29 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:10 |
| S31 | 74 | (silicon same (substrate with manifold)) same (height depth thickness) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:11 |
| S32 | 14 | S29 and S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:11 |
| S33 | 66173 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:11 |
| S34 | 42 | S31 and S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 11:12 |
| S35 | 13 | (US-20040155943-\$).dld. or (US-6409317-\$ or US-6540337-\$ or US-4882595-\$ or US-4638337-\$ or US-6126276-\$ or US-6132033-\$ or US-6331055-\$ or US-6938340-\$ or US-6019457-\$ or US-5387314-\$ or US-4275290-\$ or US-6003986-\$).dld. | US-PGPUB; USPAT | OR | ON | 2006/05/11 12:59 |
| S36 | 3379 | 347/54,56,61,62,65.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:01 |
| S37 | 18967 | (substrate manifold) with ((depth height) same ("5" "20")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:10 |
| S38 | 117 | S36 and S37 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:02 |

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|-----|-------|---|--|----|----|------------------|
| S39 | 76726 | (substrate manifold) with ((depth height thickness) same ("5" "20")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:11 |
| S40 | 10018 | (substrate manifold) with silicon with ((depth height thickness) same ("5" "20")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:10 |
| S41 | 9139 | (substrate manifold) with silicon with ((depth height thickness) with ("5" "20")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:10 |
| S42 | 62602 | (substrate manifold) with ((depth height thickness) with ("5" "20")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:11 |
| S43 | 68 | S36 and S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 13:11 |
| S44 | 459 | ((support with substrate) with (thick\$4 height depth)) same ("5" and "20") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:30 |
| S45 | 2298 | 347/61-65.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:30 |
| S46 | 0 | S44 and S45 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:29 |
| S47 | 66173 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:18 |
| S48 | 11 | S44 and S47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:30 |
| S49 | 702 | ((support with substrate) with (thick\$4 height depth)) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:33 |
| S50 | 9 | S45 and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:30 |

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|-----|-----|--|--|----|----|------------------|
| S51 | 18 | S47 and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:30 |
| S52 | 28 | ((support with substrate) same manifold same (thick\$4 height depth) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:34 |
| S53 | 0 | S47 and S52 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:34 |
| S54 | 18 | ((ink liquid fluid) with manifold with substrate) same (thick\$4 height depth) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:02 |
| S55 | 8 | S47 and S54 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 14:35 |
| S56 | 201 | ((ink liquid fluid) with manifold) same (thick\$4 height depth) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:06 |
| S57 | 43 | S47 and S56 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:02 |
| S58 | 38 | ((ink liquid fluid) with manifold) same (step trench) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:07 |
| S59 | 4 | S47 and S58 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:06 |
| S60 | 774 | ((ink liquid fluid) with substrate) same (step trench) same (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:07 |
| S61 | 22 | S45 and S60 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:10 |
| S62 | 743 | (print\$3head near4 (dimension geometry)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:11 |

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|-----|------|--|--|----|----|------------------|
| S63 | 125 | S45 and S62 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:12 |
| S64 | 388 | (print\$3head near4 (dimension geometry)) and (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:18 |
| S65 | 86 | S45 and S64 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:12 |
| S66 | 255 | (print\$3head with (dimension geometry)) and ((micron micro\$2meter) with substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:17 |
| S67 | 62 | S45 and S66 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:16 |
| S68 | 44 | S47 and S66 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:16 |
| S69 | 58 | S66 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:18 |
| S70 | 1019 | "347"/65.ccis. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:18 |
| S71 | 325 | S70 and (micron micro\$2meter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:18 |
| S72 | 312 | S71 and (height depth thickness) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:25 |
| S73 | 264 | S71 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:19 |
| S74 | 6129 | manifold with (height depth thickness) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:25 |

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|-----|-------|---|--|----|----|------------------|
| S75 | 77 | S45 and S74 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/11 15:26 |
| S76 | 2 | ("4528070" "5126768").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/11 15:31 |
| S77 | 286 | ((etch\$3 near3 depth) with (micron micro\$2meter)) same (channel manifold) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:44 |
| S78 | 3261 | 347/54,56,61,65,67.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:42 |
| S79 | 66173 | "347"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:42 |
| S80 | 96 | S77 and S78 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:42 |
| S81 | 166 | ((etch\$3 near3 depth) with (micron micro\$2meter)) same (silicon with substrate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:44 |
| S82 | 7 | S79 and S81 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 08:44 |
| S83 | 1907 | ((supply flow) near4 channel) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 09:04 |
| S84 | 91 | S78 and S83 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 09:07 |
| S85 | 17 | S84 not silverbrook.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 09:08 |
| S86 | 12 | ("4882595" "4897674" "5412413" "5463413" "5988786" "6158843" "6231168" "6309054" "6364467" "6409318" "6439692" "6682177").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:11 |
| S87 | 12 | ("4882595" "4897674" "5412413" "5463413" "5988786" "6158843" "6231168" "6309054" "6364467" "6409318" "6439692" "6682177").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:24 |
| S88 | 1 | "5308442".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:24 |

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|-------|------|---|--|----|----|------------------|
| S89 | 14 | ("4601777" "4612554" "4638337" "4789425" "4829324" "4851371" "4863560" "4875968" "4882595" "4899178" "4899181" "5131978" "5141596" "Re32572").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:28 |
| S90 | 57 | ("5308442").URPN. | USPAT | OR | ON | 2006/05/12 09:31 |
| S91 | 3 | ("4882595" "5198834" "5308442").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:32 |
| S92 | 9 | ("4615756" "4966646" "5308442" "5385633" "5387314" "5441593" "5658471" "6209993" "6309056").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:34 |
| S93 | 17 | ("4601777" "4612554" "4638337" "4789425" "4808260" "4829324" "4851371" "4863560" "4875968" "4882595" "4899178" "4899181" "4961821" "5160577" "5277754" "5308442" "Re32572").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:38 |
| S94 | 5 | ("5308442" "5371531" "5387314" "5402162" "5463412").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 09:58 |
| S95 | 2 | ("6412921").URPN. | USPAT | OR | ON | 2006/05/12 09:59 |
| S96 | 23 | ("4500895" "4771295" "4877745" "5278584" "5305015" "5449754" "5474796" "5658802" "5681757" "5700637" "5719605" "5874554" "5900892" "5958342" "6155675" "6155676" "6183067" "6221653" "6228659" "6242266" "6250738" "6290331" "6412921").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 10:00 |
| S97 | 2967 | (substrate same trench) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:53 |
| S98 | 26 | S78 and S97 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 10:30 |
| S99 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 10:39 |
| S10 0 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 11:15 |
| S10 1 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 11:15 |
| S10 2 | 21 | ("20010003460" "5317346" "5387314" "5519423" "5751317" "5980017" "6003986" "6019457" "6039437" "6053599" "6062681" "6109744" "6113223" "6132033" "6161923" "6199980" "6224197" "6270198" "6280642" "6299673" "6331055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/05/12 11:19 |
| S10 3 | 2 | "6412921".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:21 |
| S10 4 | 1 | 2000-117143.NRAN. | DERWENT | OR | ON | 2006/05/12 11:19 |
| S10 5 | 2 | "5317346".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:11 |
| S10 6 | 1 | 10/747204 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:27 |

EAST Search History

| | | | | | | |
|----------|------|--|--|----|----|------------------|
| S10 7 | 1 | jp-04010940-\$ did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:27 |
| S10 8 | 3170 | (substrate same (shelf trench)) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:12 |
| S10 9 | 56 | S79 and S108 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:57 |
| S11 0 | 204 | (die same (shelf trench)) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 11:57 |
| S11 1 | 3 | S79 and S110 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:09 |
| S11 2 | 2 | ep-401996-\$ did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:10 |
| S11 3 | 2 | ep-764533-\$ did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:10 |
| S11 4 | 2 | ep-771658-\$ did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:11 |
| S11 5 | 2 | "5308442".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:11 |
| S11 6 | 2 | ep-401996-\$ did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:11 |
| S11 7 | 283 | (substrate same (shelf trench) near4 ("5" "20")) same micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:13 |
| S11 8 | 6 | S79 and S117 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:13 |

EAST Search History

| | | | | | | |
|----------|-----|--|--|-----|----|------------------|
| S11 9 | 1 | "6540337".pn. and micron | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/12 12:15 |
| S12 0 | 10 | (US-20040155943-\$).did. or (US-4882595-\$ or US-6896360-\$ or US-6561632-\$ or US-5387314-\$ or US-6540337-\$ or US-6003986-\$ or US-6682177-\$ or US-6412921-\$ or US-5317346-\$).did. | US-PGPUB; USPAT | OR | ON | 2006/10/06 11:44 |
| S12 1 | 6 | S120 and (protect\$3 coat\$3) | US-PGPUB; USPAT | OR | ON | 2006/10/06 11:45 |
| S12 2 | 5 | S120 and (passivation) | US-PGPUB; USPAT | OR | ON | 2006/10/06 14:14 |
| S12 3 | 1 | "5387314".pn. | US-PGPUB; USPAT | OR | ON | 2006/10/06 14:14 |
| S12 4 | 5 | ("5308442" "5371531" "5387314" "5402162" "5463412").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/17 10:43 |
| S12 5 | 4 | ("6412921").URPN. | USPAT | OR | ON | 2007/08/17 10:44 |
| S12 6 | 2 | "6412921".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 10:45 |
| S12 7 | 1 | 2000-117143.NRAN. | DERWENT | OR | ON | 2007/08/17 11:09 |
| S12 8 | 8 | "5308442".pn. ep-401996-\$ did. ep-764533-\$ did. ep-771658-\$ did. ep-401996-\$ did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 11:10 |
| S12 9 | 1 | 2000-117143.NRAN. | DERWENT | OR | ON | 2007/08/17 11:13 |
| S13 0 | 2 | "5317346".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 11:14 |
| S13 1 | 2 | "5387314".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 11:14 |
| S13 2 | 120 | ((yun with gi with kim).in. (yong with shik with park).in. (sung with joon with park).in.) and samsung.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/17 11:47 |
| S13 3 | 0 | (substrate ink chamber heat first second trench uniform (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| S13 4 | 0 | (substrate ink chamber heat first second trench uniform (micron)).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| S13 5 | 0 | (substrate ink chamber heat first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:50 |
| S13 6 | 2 | (substrate ink chamber first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |
| S13 7 | 10 | (substrate ink first second trench (micron or ".mu.m" or ".mu.m")).clm. | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |
| S13 8 | 8 | S137 not S136 | US-PGPUB; USPAT | AND | ON | 2007/08/17 11:51 |